



Installation and Owners Manual
QRS # 70484

Virtuoso Violin

MIDI Player Violin



Virtuoso Violin

- It's an acoustic violin.
- It's MIDI compatible
- It plays itself
- It plays with expression and subtlety.
- Its bow moves delicately across the string, mimicking actual hand movement
- Its bow is actually playing the violin.

Date: 0301
Rev. 1
Manual's Catalog #

Table Of Contents

Introduction	2
Parts Summary.....	3
Parts Summary Photos	4
Options & Accessories	5
Getting Acquainted.....	6
Tools Required.....	6
Setting Up Your Violin	7, 8
Set Up Procedure Photos	9
Unpacking	9
Setting Up the Pedestal.....	9
Setting Up the Speaker	9
Setting Up the Analog MIDI Controller	9
Unpacking the Violin	9
Mounting The Violin Assembly To the Pedestal	9
Mounting The Bow	
Hooking Up The Bow Line	
Plugging It All In.....	
How You Know Your Ready To Go	10
Playing A Violin File.....	11
Making Adjustments	
Selecting A Song To Play	12
Changing The Volume	13
Setting It Up To Do Duets With Your MIDI Player Piano	14
Volume Curves.....	
Setting It Up To Do Play By Itself.....	14
Hook Ups	14
The Controller (Diagram)	15
Contact Information	16

Introduction

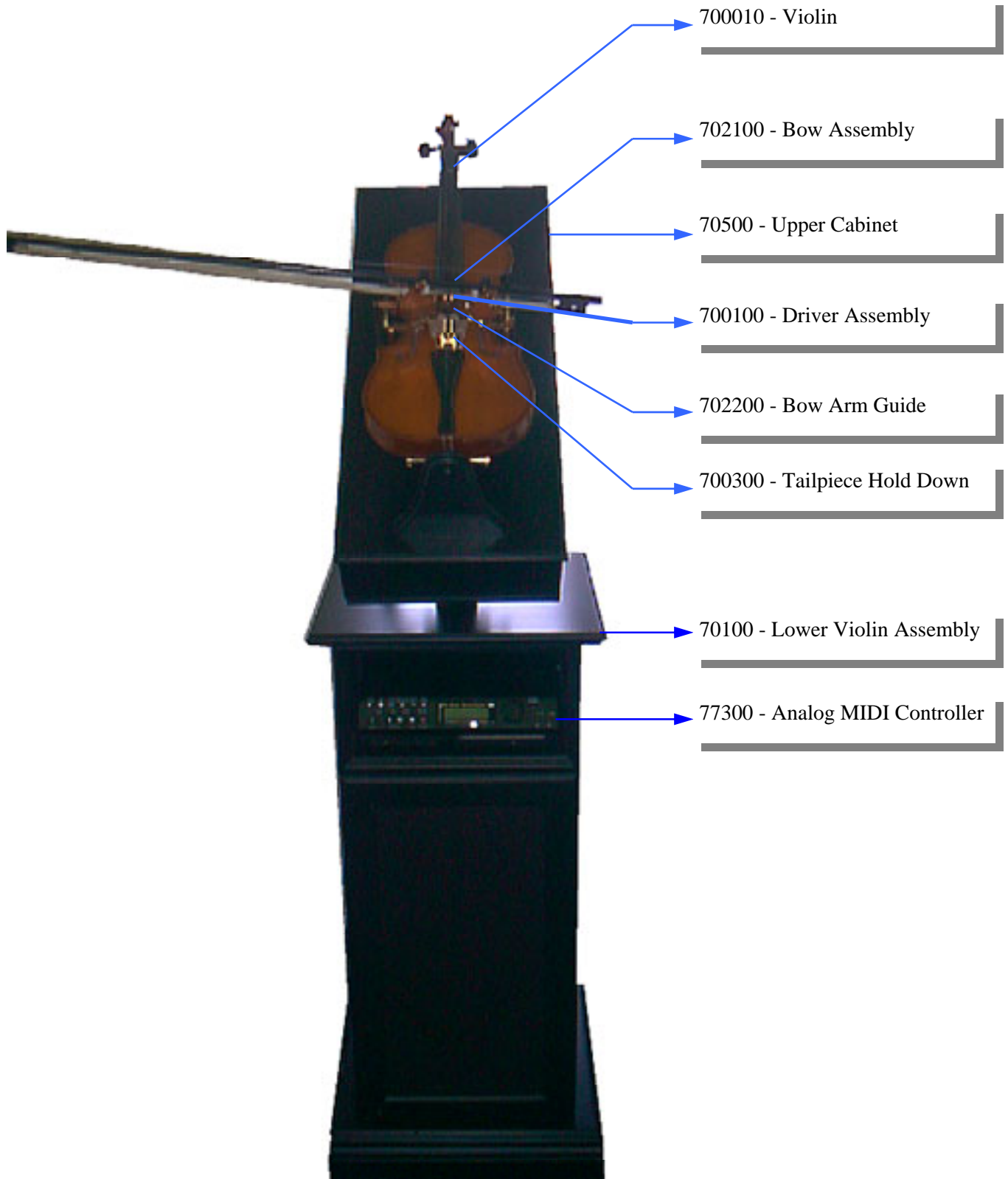
An invisible hand glides the bow across the strings producing a genuine violin sound. Watching the violin in action is truly a memorable image. The sounds achieved by vibrating the string are genuine violin sounds - not digitally sampled sounds. Coupled with a Pianomation-equipped piano, it will perform a duet without either instrument being touched by human hand.

Developed by Paroutaud Music Laboratories, the Virtuoso violin was invented by TV and film scorer Fred Paroutaud and the late Dr. Thomas Paine, administrator of NASA during the Apollo moon flights and the former president of Northrop Corporation.

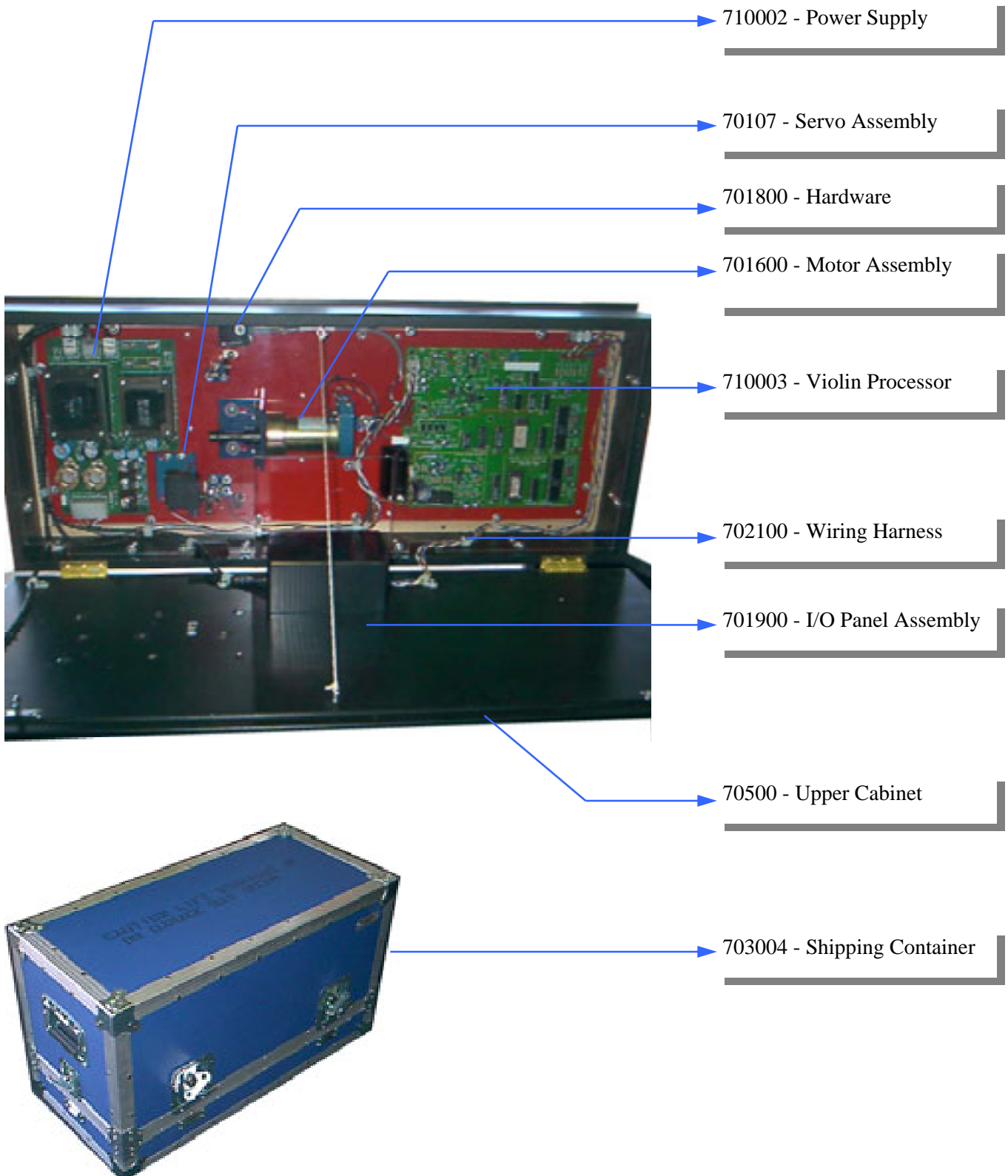
Parts Summary

700000			Virtuoso Violin With Stand and Shipping Box
	70100		Complete Lower Violin Assembly
		710002	Violin Power Supply
		710003	Violin Processor
		701600	Bow Motor Assembly including motor, mounting brackets, idler wheels etc.
		701700	Bow Angle Servo Assembly including Servo, mounting brackets, rods, etc.
		701800	Mounting Hardware including red plate, Plexiglas, and misc. hardware.
		701900	I/O Panel Assembly
		702100	Wiring Harnesses
	70400		Lower Pedestal Cabinet
	70300		Shipping Containers
		703004	Violin - Blue Container
		703002	Violin - White Shipping Box
		703006	Pedestal - White Shipping Box
	70200		Upper Violin Assembly
		700010	Violin
		702100	Violin Bow Assembly
		702200	Bow Arm Guide Assembly
		700100	Driver Assembly
		700158	Driver Blade Assembly
		702300	Frame Assembly
	700300		Tailpiece Hold Down Assembly
	700400		Bow Sensor Assembly
	70500		Upper Cabinet
	70040		Speaker
	77300		Analog MIDI Controller

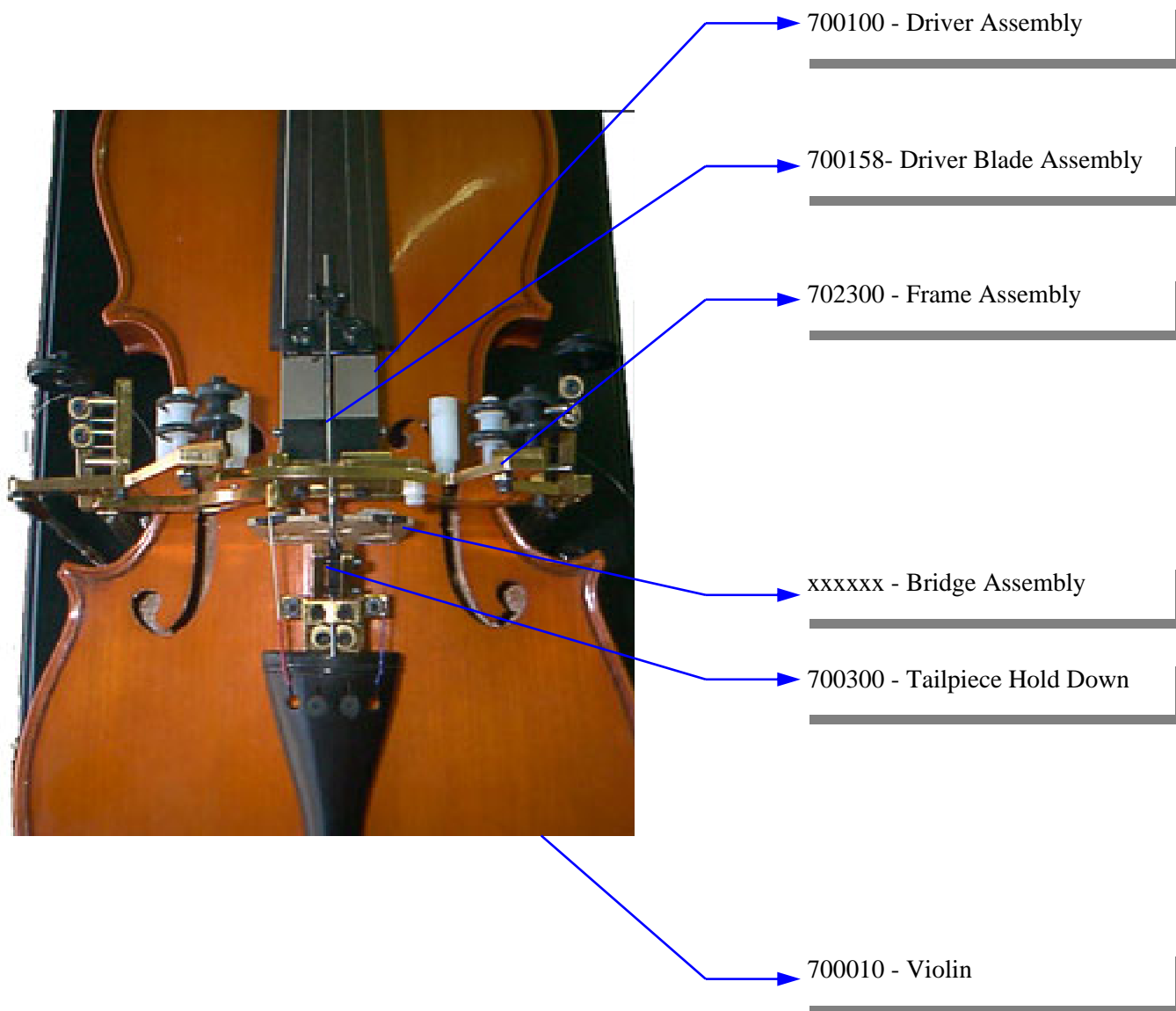
Parts Summary



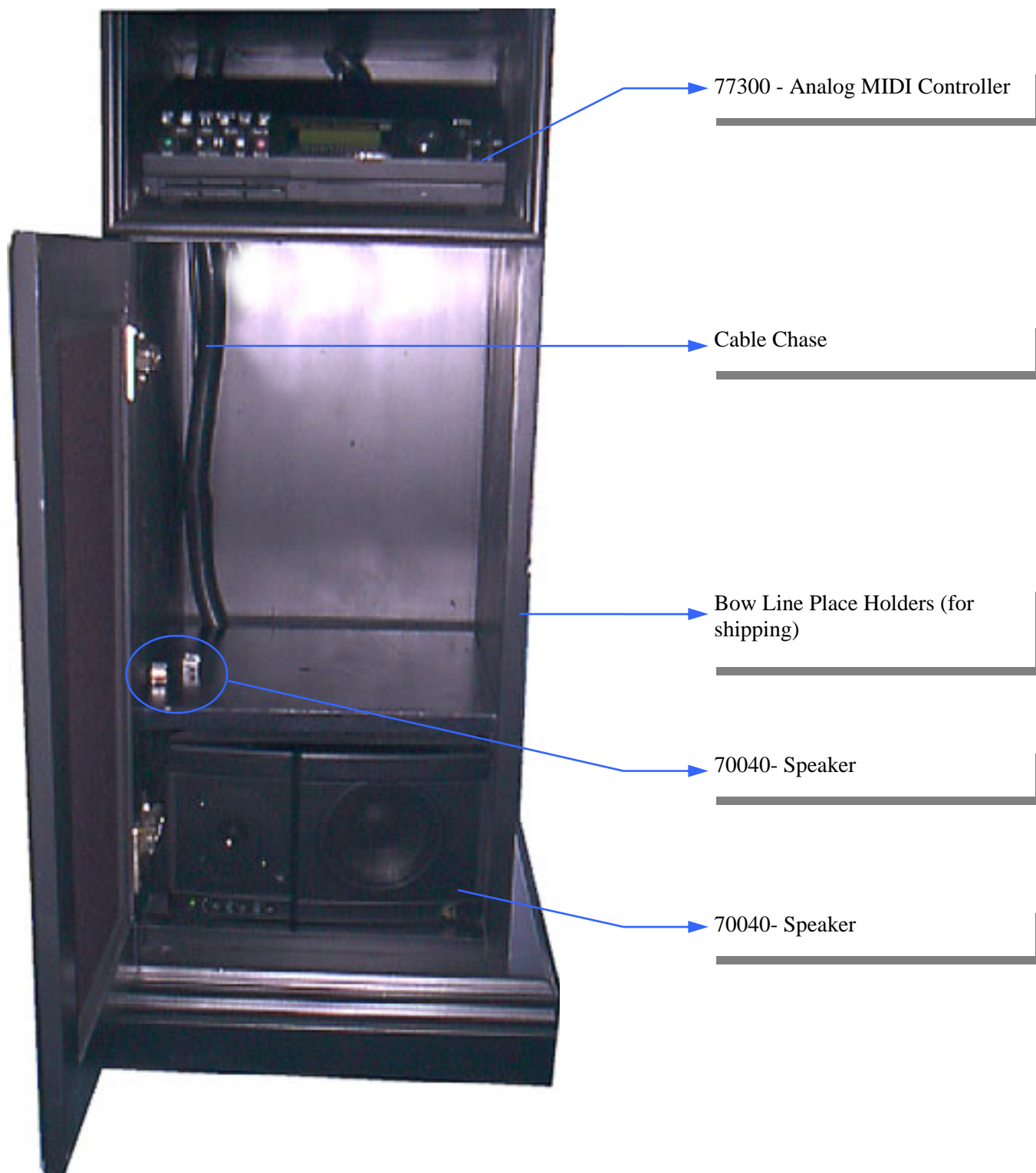
Parts Summary



Parts Summary



Parts Summary



Parts Summary



Options

Practice Session Piano Module

Part # 70596



This takes the MIDI output from the LiteSwitch box and creates a piano sound to practice with

Analog MIDI Controller or Dual Drive Analog MIDI Controller

Part # 77300



The Analog MIDI Controller will allow you to record your performances, continue to lay down tracks and assign instruments to the various tracks creating your own composition. The Analog MIDI Controller also has two headphone outputs for practicing while your piano keys are silenced with the mute bar. It has left and right hand record and playback capabilities enabling you to take advantage of the vast amount of educational software available. This allows you to practice one hand while the other plays. The Mixed outputs on the back will allow you to broadcast your performance without the need for a mic and the exterior noise they can pick up.



Headphones

Part # 70467

Headphones plugged into the Analog MIDI Controller allow one to hear a piano sound or any sound you choose.



Stop Rail

Part # 700470

This prevents the hammers from striking the strings, allowing silent practice. The OptiScan channels a MIDI signal to a sound source that generates a piano sound to the headphones.

Tools Required

Alan Key Included
Phillips Head and Standard Head Screw Driver
Exacto Knife and or Scissors
Optional/Maybe
Screw Gun



Unpacking & Setup: Pedestal



Unpack & Setup: Violin



Unpacking The Violin



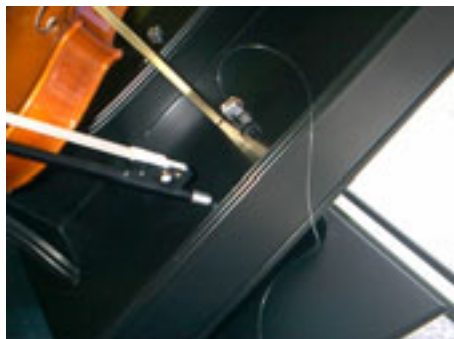
Mounting The Violin



Mounting The Bow & Bow



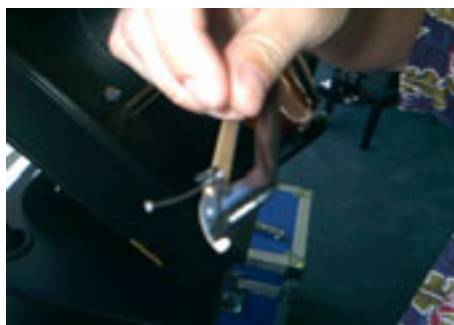
Mounting The Bow Line



Pull Line over wheel



Hook knot to the end of the bow.



Feed the other line through the mechanism



Hook To the other end of the bow

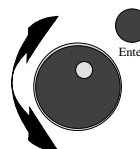
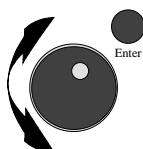


Plugging It All In



Setting It Up For Stand Alone

Setting Up The Equalizer



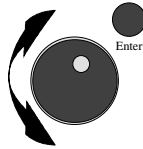
Press Setup - Defaults - Audio - Equalizer - Violin - and set the violin to zero. By doing this you will be telling Chili several things.

That the sequencer should not produce any violin sounds that are found on Channel 2.

- That the Chili unit should parse all MIDI files for Virtuoso Violin events on Channel 2.
- That Chili should route the channel 2 Virtuoso Violin events to the delayed MIDI out. (The violin plays in real time, the piano has a built in 500ms delay.)

Setting It Up For Stand Alone Use

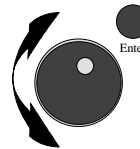
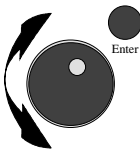
Setting Up The Equalizer



Press Setup - Defaults - Audio - Equalizer - Violin - and set the violin to zero. By doing this you will be telling Chili several things.

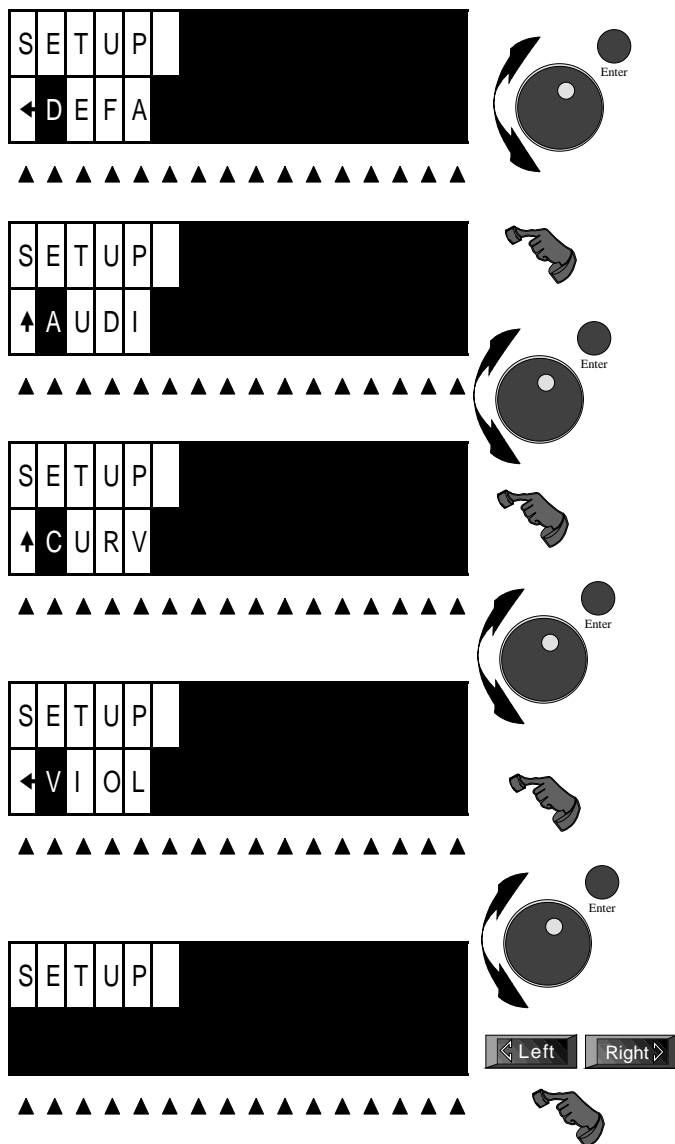
That the sequencer should not produce any violin sounds that are found on Channel 2.

- That the Chili unit should parse all MIDI files for Virtuoso Violin events on Channel 2.
- That Chili should route the channel 2 Virtuoso Violin events to the delayed MIDI out. (The violin plays in real time, the piano has a built in 500ms delay.)

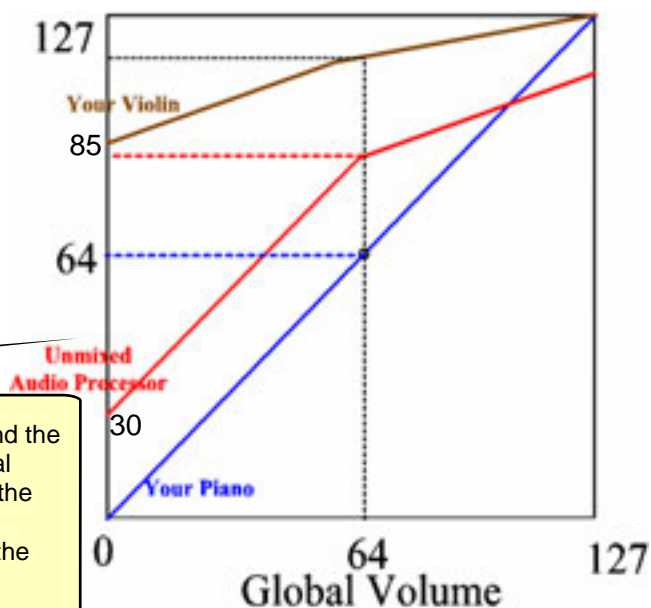


Virtuoso Violin - Setup & Adjustments

Setting Up The Volume Curves



- Select a Virtuoso Violin song.
- Push Play.
- Press Setup - Defaults - Audio - Curves - Violin.
- The Violin, Piano and Speaker will go down to its lowest volume.
- Adjust the violin's volume so that it sounds good with the lowest volume played by the piano and background. You may want to also look at the bow movement's speed. The lowest violin volume should also coincide with an attractive bow speed.
- Push the Right button.
- Adjust the violins volume to sound good with the piano and background speaker.
- Push the Right button.
- Adjust the violins max volume to sound good with the pianos and backgrounds max volume.
- Push Enter.
- By pushing enter the volume will revert to what the global volume is set to.



The Y axis shows the volume settings for each instrument and the audio processor. The X axis shows the corresponding Global volume. So in this example when global volume is at say 1, the piano is at 1 to play its softest the audio processor is at 30 to sound good with the piano. And the violin sounds good with the other two when its volume is at 85.

Turning The Unit On & Off


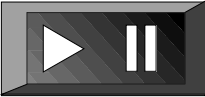
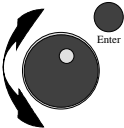


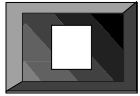
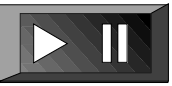
For Assistance Call 1-941-597-5888

Basic Controls



So, to play a CD: Push the Source button, Dial In QRSCD, Push Enter.

To familiarize yourself with the basic functions of Chili, follow the six steps below. These steps will walk you through the basic playback features that are commonly used for playback of a CD, Floppy or Internal Demo. Chili utilizes the same buttons for other features. These features will be discussed in detail in the following sections.

Step 1. Press Power		Press "Power" to turn the unit "ON" or "OFF". The unit will default to the last played source.
Step 2. Press Play		Push play and the song begins. Push pause and the song will pause.
Step 3. Adjust Volume		To increase volume, turn the dial to the right, to decrease volume turn the dial to the left.
Step 4. Advance Song		To advance to the next song Press the "Right" button.
Step 5. Previous Song		To return to the beginning of the song Press the "Left" button once . Press twice to go to the previous song.
Step 6. Press Stop		To end playback Press "Stop".
Play		Once a track has been selected and "played" the unit will then continue to the next track until it reaches the end of the media.

Trouble Shooting

A Note resonates

The Bow Line Comes
Loose

The music is out of
sync

The music is out of
sync

For Assistance Call 1-941-597-5888

Trouble Shooting

For Assistance Call 1-941-597-5888



QRS Music Technologies
2011 Seward Ave
Naples, FL 34109

941-597-5888
Fx 941-597-3936
www.qrsmusic.com